

METHOD, SYSTEM, AND DATA STRUCTURE FOR TRUSTWORTHY DIGITAL

DOCUMENT INTERCHANGE AND PRESERVATION

(DRAWINGS)

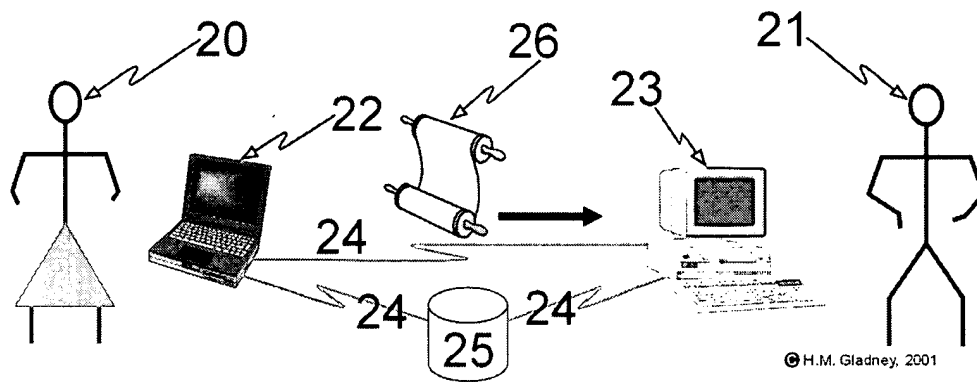


FIG 1: Communication of a Document

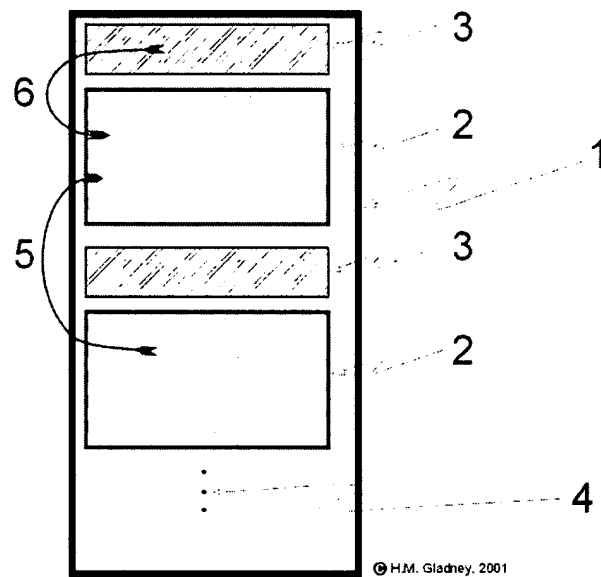


FIG 2: Input Document

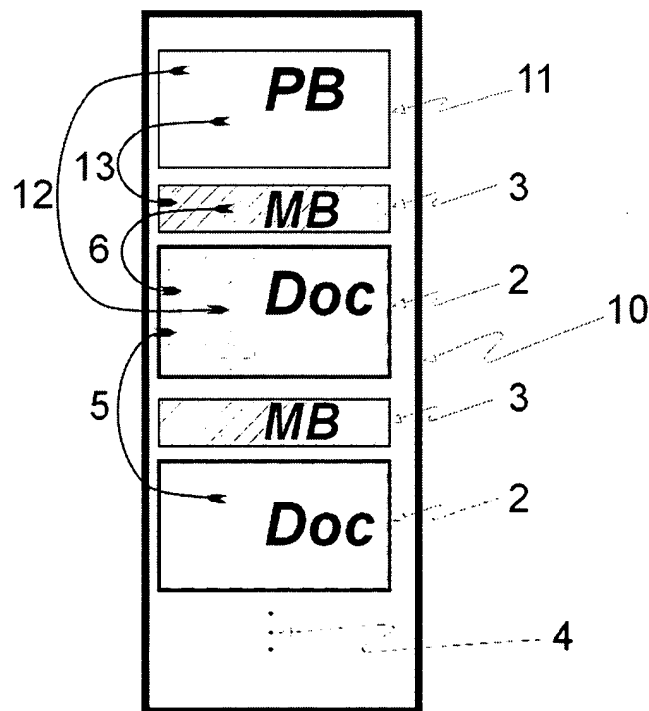


FIG 3: Packaged Document (exemplary TDO)

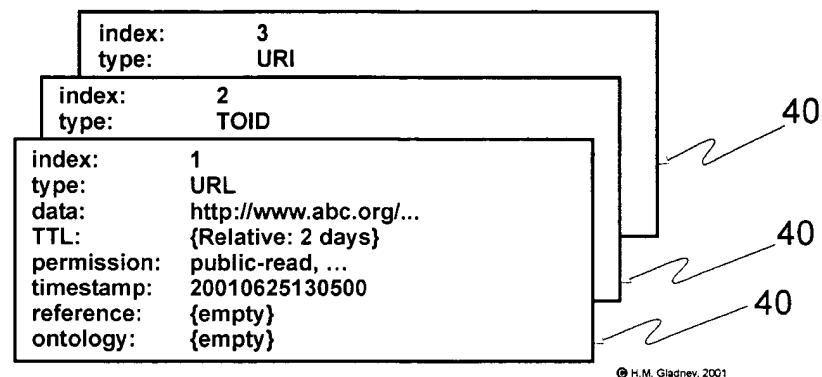
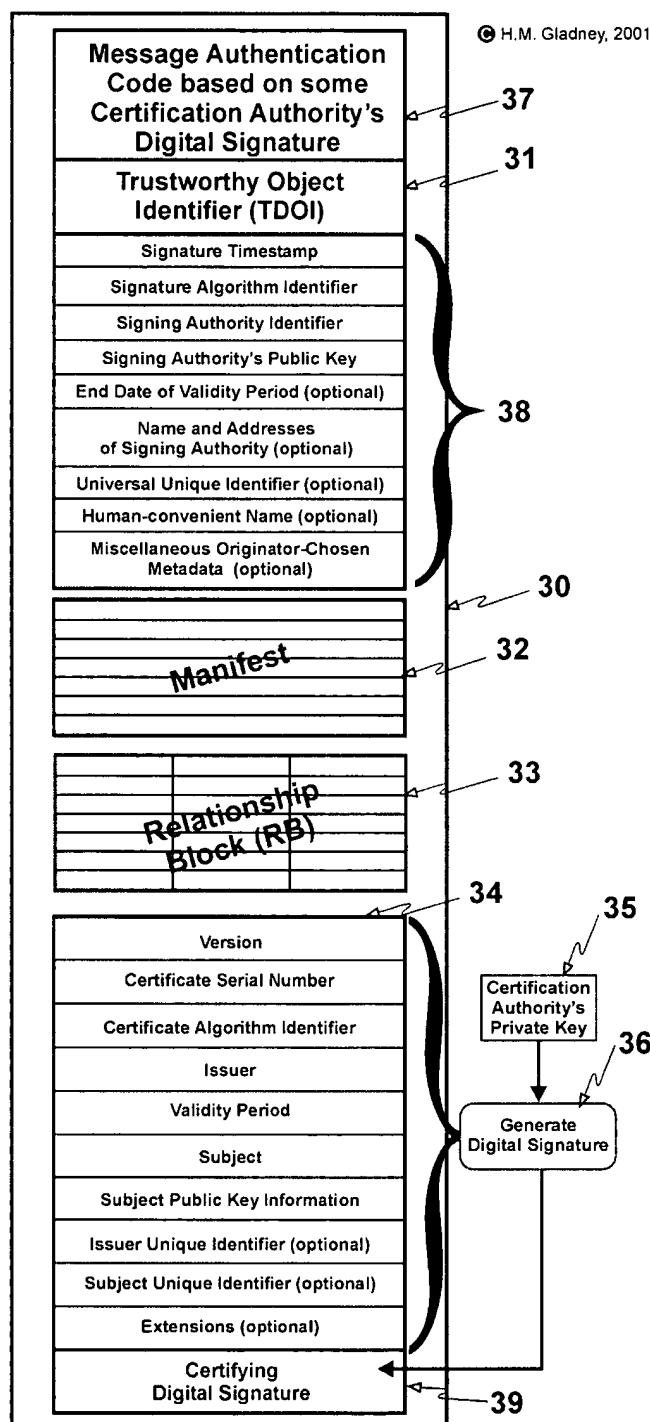
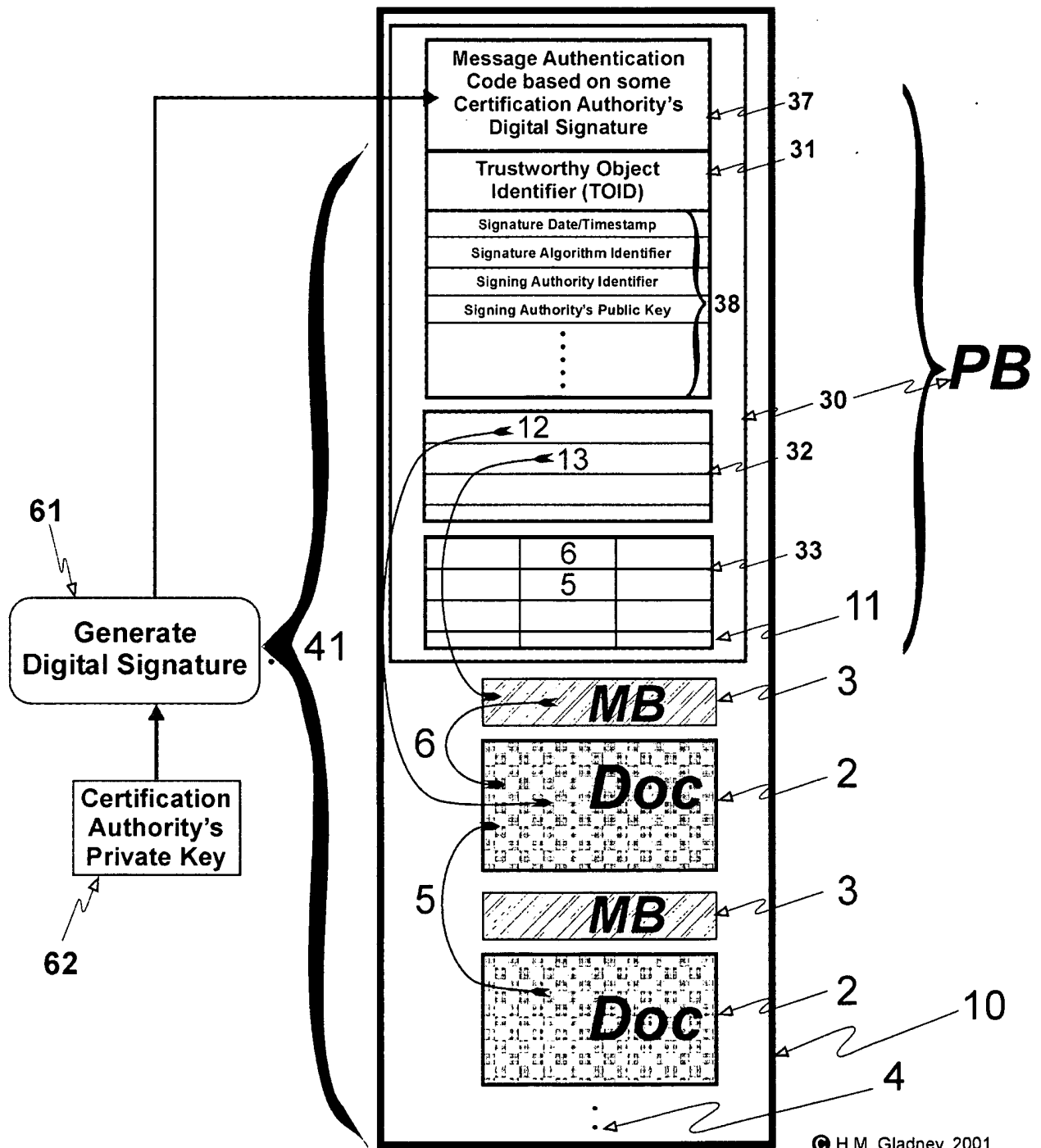


FIG. 4: A Value Set ¹

¹ Following <http://www.handle.net/namespace-current.html> - 3.1. See also in [Notes about Links](#)

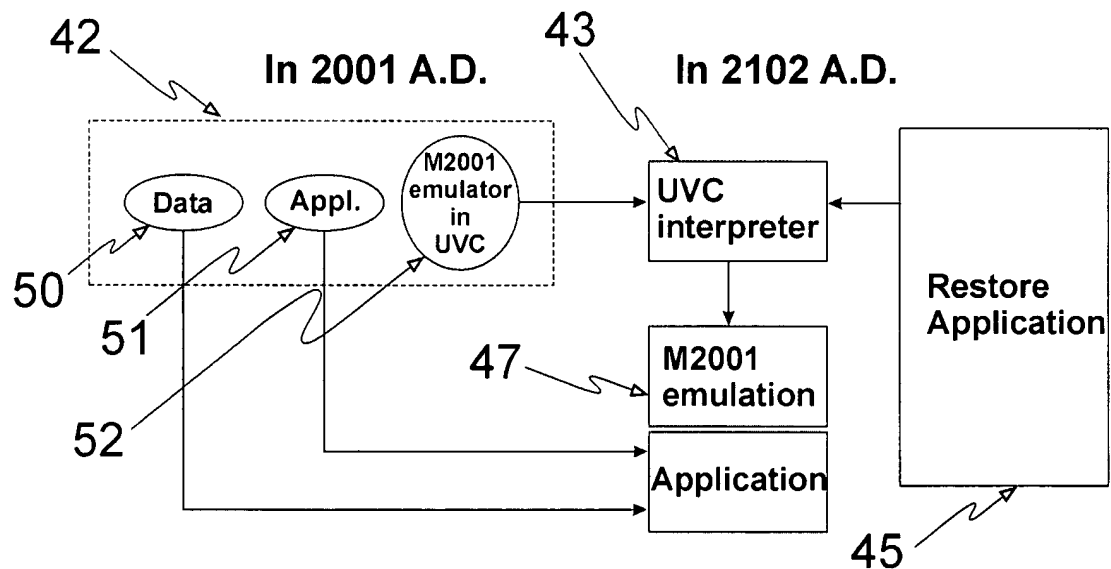
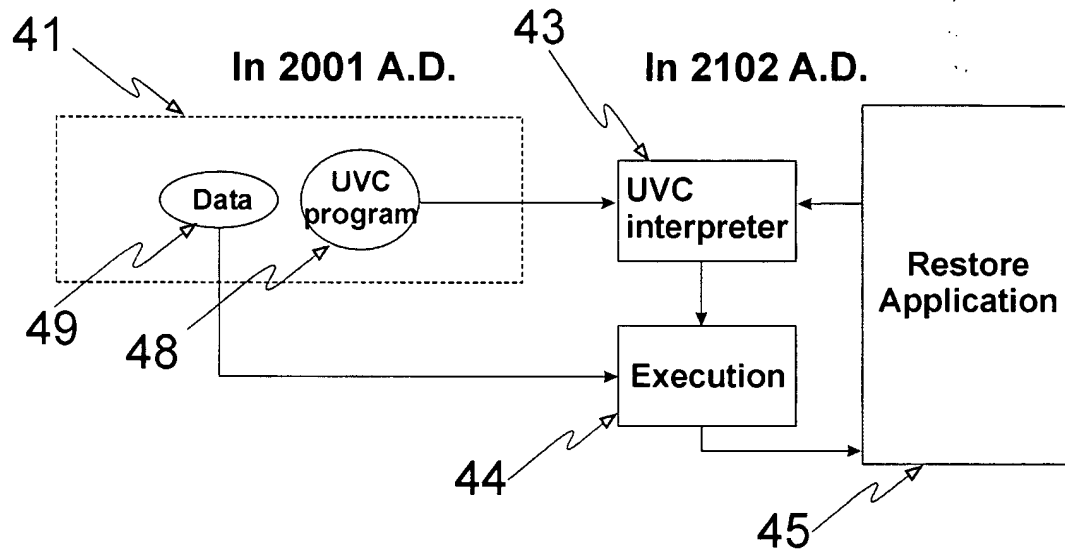
FIG. 5: Protection Block (exemplary PB)²

² This includes a X.509 Certificate (following [Feghhi 98] Figure 3-2)



© H.M. Gladney, 2001

FIG 6: A Complete Trustworthy Digital Object (TDO)





Henry Martin Gladney
20044 Glen Brae Drive
Saratoga, California 95070
(408)867-5454
hgladney@pacbell.net

© Gladney 2001

10th December 2001

| | |
|---|-----------|
| Method, System, and Data Structure for Trustworthy Digital Document Interchange and Preservation | 1 |
| Statement Regarding Federally Sponsored Research or Development..... | 1 |
| Reference to a Microfiche Appendix..... | 1 |
| Background of the Invention | 1 |
| Field of the Invention | 2 |
| Description of the Related Art | 2 |
| Cross Reference to Related Applications | 3 |
| Citations from Scholarly Literature | 3 |
| Additional Citations from Scholarly Literature | 4 |
| Brief Summary of the Invention..... | 5 |
| Brief Description of the Drawings | 6 |
| Detailed Description of the Preferred Embodiments..... | 7 |
| Terms of Reference | 7 |
| Computing Environment and the Trustworthy Digital Object (TDO) | 9 |
| Information Structure | 11 |
| Value Set Structure to Express Attributes Flexibly | 12 |
| Protection Block (PB) Content and Structure | 13 |
| Trustworthy Digital Object Identifier (TDOL) Syntax and Semantics | 14 |
| Other Identifiers and Locators | 16 |
| Making a Digital Object Trustworthy by Digital Signing | 18 |
| Making Programs and Other Complex Data Interpretable | 19 |
| Using a Trustworthy Object | 21 |
| Finding and Choosing a Trustworthy Digital Object (TDO) | 21 |
| Claims of This Invention..... | 23 |
| Abstract..... | 27 |
| (Drawings)..... | 28 |